WASTE ACCEPTANCE CRITERIA ADDENDUM

Generator _____ Date _____

Contact _____ Phone _____

Common Name of Material _____

Material Description _____

Waste Classification

- Which of the USEI WAC Tables apply to this material?
  - ☐ Table C.1 - Unimportand Quantities of Source Material Uniformly Dispersed in Soil or other Media
  - ☐ Table C.2 - NORM other than Uranium and Thorium Uniformly Dispersed in Soil or Other Media
  - ☐ Table C.3 - Non-Production Particle Accelerator Produced Radioactive Material
  - ☐ Table C.4a - NRC Exempted Products, Devices, or Items
  - ☐ Table C.4b - Materials Specifically Exempted by the NRC or NRC Agreement State
- Does the Material Require Placarding?
  - ☐ Yes ☐ No If yes, What type?_____
- List the major radioisotopes in the waste stream and their average specific or total activity.
  (For Natural Decay Series, list only the major progenitors)

Radioisotope							
Activity (Curies)							
SA (pCi/g)							

Comments

Table C.1 - Unimportand Quantities of Source Material Uniformly Dispersed in Soil or other Media

Does the material contain:

- ☐ Natural, Refined, or Depleted Uranium - Use the appropriate limit from table C.1a
- ☐ Thorium - Use the appropriate limit from table C.1b
- ☐ Both Uranium and Thorium - Use the appropriate equation below (SA = Specific Activity in pCi/g):

Natural Uranium + Thorium

$$\frac{SA_{Uranium}}{167\,pCi/g} + \frac{SA_{Thorium}}{110\,pCi/g} \leq 1$$

Refined Uranium + Thorium

$$\frac{SA_{Uranium}}{333\,pCi/g} + \frac{SA_{Thorium}}{110\,pCi/g} \leq 1$$

Depleted Uranium + Thorium

$$\frac{SA_{Uranium}}{169\,pCi/g} + \frac{SA_{Thorium}}{110\,pCi/g} \leq 1$$

Note:
- Activity of all progenitors + progeny must be equal to or less than 3000 pCi/g
- Th-232 will routinely be considered to be in equilibrium with all progeny.

Calculations

Table C.2 - NORM other than Uranium and Thorium Uniformly Dispersed in Soil or Other Media

☐ Yes ☐ No Does the material contain Ra-226 or Ra-228?

☐ Yes ☐ No Does the material contain Lead-210?

☐ Yes ☐ No Does the material contain any radioisotopes other than NORM?

Table C.3 - Non-Production Particle Accelerator Produced Radioactive Material

What is the purpose of the accelerator that produced the material?

Was the accelerator ever used to produce isotopes for industrial use, medical use, or academic research?

Note:
- The generator must provide an estimated inventory of activity, by isotope, for each container.
- Dose rate may not exceed 10 mrem/hr at any point on the package surface.
- Containers must be at least 90% full.
- Waste from "production" accelerators may be accepted under the terms of Table 4b.

Table C.4a - NRC Exempted Products, Devices, or Items

The material is exempt under 10 CFR_____

Note:
- Material must be transported in accordance with DOT Rules and Regulations.
- The generator must provide an estimated inventory of activity, by isotope, for each container.
- Individual packages may bear White I or Yellow II Labels as long as the maximum surface dose rate on any package does not exceed 10 mrem/hr.

Table C.4b - Materials Specifically Exempted by the NRC or NRC Agreement State

☐ Yes ☐ No Is the material approved for disposal in accordance with 20.2008(b) or equivalent Agreement State regulation? If yes, provide a copy of the exemption.

☐ Yes ☐ No Has the waste been approved by the NRC or and Agreement State for alternate disposal in accordance with 10 CFR 20.2002 or Equivalent? If yes, provide a copy of the approval request, exemption, and/or FONSI.

☐ Yes ☐ No Was the material approved for alternate disposal via a decomissioning plan or license ammendment? If yes, provide a copy of the license or plan.

☐ Yes ☐ No Is the material similar to Table C.4b but is not regulated or licensed by the NRC or Agreement State. If yes, provide documentation that the radioactive material is unlicensed. This could be a release of property for unrestricted use by the NRC to another Federal Agency, i.e. the EPA, USACE, etc. or a release for unrestricted use by an agreement state, etc.

Certification Statement:

I certify that the contents of the package(s) being shipped to US Ecology Idaho (USEI) are exempt from regulation at the point of generation by the US Nuclear Regulatory Commission, in accordance with 10 CFR_____. (List each section of the NRC Regulations that contains and exemption for each type of device or item in the shipment, or are not licensed by the NRC or an agreement state.)

Name/Title (Please Print)

Signature

Date